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PATENT

**IN THE CLAIMS**

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

Claims 1-20. (Cancelled)

21. (New) An apparatus for providing mobile station registration, wherein the apparatus comprises:

a base station capable of receiving a registration message in a traffic channel from a mobile station, wherein the registration message is initiated from the mobile station before the mobile station registration is complete.

22. (New) The apparatus as set forth in Claim 21, wherein the base station is capable of: receiving the registration message in a reverse traffic channel from the mobile station; and sending a registration accepted order in a forward traffic channel to the mobile station.

23. (New) The apparatus as set forth in Claim 21, wherein the base station is capable of receiving a registration request message in a reverse traffic channel from the mobile station.

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24. (New) The apparatus as set forth in Claim 21, wherein the base station comprises a traffic channel registration controller capable of:

sending the registration message in a forward traffic channel to the mobile station; and  
receiving the registration message in a reverse traffic channel from the mobile station.

25. (New) The apparatus as set forth in Claim 24, wherein the traffic channel registration controller is capable of:

causing a mobile switching center to register the mobile station; and  
sending a registration acceptance order in the forward traffic channel to the mobile station.

26. (New) The apparatus as set forth in Claim 25, wherein the mobile switching center is capable of sending the registration message in the forward traffic channel to the traffic channel registration controller for forwarding to the mobile station.

27. (New) The apparatus as set forth in Claim 21, wherein the base station is capable of:  
sending a location update request message to the mobile station; and  
receiving a location update acceptance message from the mobile station.

28. (New) A wireless communication system comprising:  
a mobile switching center capable of providing mobile station registration in a traffic

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channel; and

a mobile station capable of sending in the traffic channel a registration message to the base station before the mobile station registration is complete.

29. (New) The wireless communication system as set forth in Claim 28, wherein the mobile station is capable of:

sending the registration message in a reverse traffic channel to the base station; and

receiving a registration accepted order in a forward traffic channel from the base station; and

wherein the mobile switching center is capable of registering the mobile station.

30. (New) The wireless communication system as set forth in Claim 29, wherein the mobile switching center is capable of causing a registration request message to be sent to the mobile station in the forward traffic channel.

31. (New) The wireless communication system as set forth in Claim 28, wherein the mobile switching center is capable of communicating with a traffic channel registration controller in the base station; and

wherein the mobile station is capable of receiving registration messages in a forward traffic channel from the traffic channel registration controller.

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32. (New) The wireless communication system as set forth in Claim 31, wherein the mobile station is capable of:

sending the registration message in a reverse traffic channel to the traffic channel registration controller; and

receiving a registration accepted order in the forward traffic channel from the traffic channel registration controller.

33. (New) The wireless communication system as set forth in Claim 32, wherein the traffic channel registration controller is capable of forwarding the registration message in the forward traffic channel to the mobile station.

34. (New) The wireless communication system as set forth in Claim 33, wherein the mobile switching center is capable of:

receiving a location update request message in the reverse traffic channel from the base station; and

sending a location update acceptance message in the forward traffic channel to the base station.

35. (New) For use in a wireless communication system, a method for registering a mobile station, wherein the method comprises the steps of:

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initiating and sending from the mobile station a registration message in a traffic channel to a base station; and

registering the mobile station in a mobile switching center.

36. (New) The method as set forth in Claim 35 further comprising the steps of:  
sending the registration message in a reverse traffic channel to the base station; and  
receiving a registration accepted order message in a forward traffic channel from the base station.

37. (New) The method as set forth in Claim 36 further comprising the steps of:  
receiving a location update request message from the base station after said sending the registration request message to the base station; and  
sending a location update acceptance message to the base station before the base station sends the registration accepted order message to the mobile station.

38. (New) The method as set forth in Claim 35 further comprising the steps of:  
sending a registration request message in a forward traffic channel from the mobile switching center to the base station; and  
receiving the registration request message in a reverse traffic channel from the base station to the mobile station.

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39. (New) The method as set forth in Claim 38 further comprising the steps of:  
in response to receiving theregistration request message in the forward traffic channel from  
the base station, sending the registration message in the reverse traffic channel from the mobile  
station to the base station;  
receiving a location update request message in the mobile switching center from the base  
station;  
sending a location update acceptance message from the mobile switching center to the base  
station; and  
receiving a registration accepted order message from the base station in the forward traffic  
channel to the mobile station.

40. (Original) The method as set forth in Claim 35 further comprising the steps of:  
sending from the mobile station the registration message in a traffic channel to a traffic  
channel registration controller in the base station; and  
registering the mobile station by the mobile switching center.